ABSTRACT

There is provided a signal amplifier and an integrated circuit capable of obtaining a high gain and a high power output in a wider band.

In a signal amplifier including a pre-stage circuit for inputting a signal from an external device and a post-stage circuit for amplifying the signal fed from the pre-stage circuit and outputting the signal therefrom, input impedance of the pre-stage circuit and output impedance of the post-stage circuit are set so as to match external impedance in a one or more-digit frequency range and output impedance of the pre-stage circuit and input impedance of the post-stage circuit are set to match at impedance lower than the output impedance of the post-stage circuit.